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Notice of Allowability	Application No.	Applicant(s)	
	10/757,797	MADHANI ET AL.	
	Examiner	Art Unit	
	Alex P. Rada	3714	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/4/07.
2. ☒ The allowed claim(s) is/are 29-30,38 and 53-67.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

- Attachment(s)**
- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
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DETAILED ACTION

Response to Amendment

In response to the after final amendment filed January 4, 2007 in which the applicant cancels claims 1-28, 31-37 and 39-52, amends claim 29, adds new claims 64-67 and claims 29-30, 38 and 53-67 are pending in this application.

Reasons for Allowance

1. Claims 29-30, 38 and 53-67 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art does not disclose nor teach according to claims 29, 64 and 67 a method for controlling the movement of a legged figure coupled to a drive mechanism receiving a command from an input device, the command representing a velocity to move the figure, translating the velocity into a step length and step time, moving the entire figure at the velocity represented by the received command using the drive mechanism, wherein the act of moving the entire figure is implemented by a wheeled vehicle coupled to the figure, and coordinating the legged figure moving by first moving a first leg a distance of about the step length and moving a second leg a distance of about the step length after the first leg is moved in combination with the rest of the claimed limitation. The closest prior art of Osada disclose a legged mobile robot receiving commands from analog image signal outputted from a camera, which is converted by an image data input unit into digital data for storage into the robot's memory. Osada fails to disclose a command from an input device, the command representing a velocity to move the figure, translating the velocity into a step length and step time, moving the entire figure at the velocity represented by the received command using the drive mechanism, wherein the act of moving the entire figure is implemented by a wheeled vehicle coupled to the

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figure, and coordinating the legged figure moving by first moving a first leg a distance of about the step length and moving a second leg a distance of about the step length after the first leg is moved in combination with the rest of the claimed limitation. Claims 30, 38, 53-58 and 65-66 are allowed through their dependency.

Claims 59-63 are allowed for the reasons set forth in the previous office action mailed 29 November 2006 but re-stated below for applicant's convenience.

The following is an examiner's statement of reasons for allowance: The prior art does not disclose nor teach according to claim 59, a method of controlling the movement of a legged figure comprising the legged figure coupled to a wheeled support, the wheeled support being propelled by a drive mechanism; receiving a command from an input device, the command representing a velocity to move the wheeled support; translating the velocity into a step length of the legged figure; moving the wheeled support at the velocity represented by the received command using the drive mechanism and simultaneously moving the legged figure by moving a first leg a distance corresponding to the step length and moving a second leg once the first leg is planted on the ground, the movement of the legged figure being synchronized with the movement of the wheeled support in combination with the rest of the claimed limitations. The closest prior art of Morgrey and Osada disclose controlling the movement of a legged figure by receiving command from an input device that represents the velocity to move the legged figure and moving the first leg a specified distance with response to the command input and moving the second leg once the first leg is planted on the ground. Morgrey and Osada both fail to disclose the legged figure coupled to a wheeled support, the wheeled support being propelled by a drive mechanism; receiving a command from an input device, the command representing a velocity to move the wheeled support; moving the wheeled support at the velocity represented by the received command using the drive

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mechanism and simultaneously moving the legged figure by moving a first leg a distance corresponding to the step length and moving a second leg once the first leg is planted on the ground, the movement of the legged figure being synchronized with the movement of the wheeled support in combination with the rest of the claimed limitations.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alex P. Rada whose telephone number is 571-272-4452. The examiner can normally be reached on Monday - Friday, 08:00-16:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Olszewski can be reached on 571-272-6788. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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 1/22/07
ROBERT OLSZEWSKI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700